

DATA SHEET (effective 02/22/08)

Polymer Base: Neoprene (CR Based)

F-02012 (Black)

Physical Properties	Unit	Test Method	Typical Results
Density	g/cm <sup>3</sup>	ASTM D 1056	0.144 ± 0.032
	lb/ft <sup>3</sup>	ASTM D 1056	9 ± 2
Hardness, Durometer Shore 00		ASTM D 2240	50 ± 5
Compression Deflection (25%)	kPa	ASTM D 1056	48 ± 14
	psi	ASTM D 1056	7 ± 2
Compression Set	%	ASTM D 1056	≤ 25%
Tensile Strength	kPa	ASTM D 412 (Die A)	520
	psi	ASTM D 412 (Die A)	75
Tear Strength	kN/m	ASTM D 624 (Die C)	2.8
	lb/in	ASTM D 624 (Die C)	16
Elongation	%	ASTM D 412 (Die A)	150%
Resilience	%	ASTM D 2632	30%
Service Temperature			
Low	°F	ASTM D 746	-40
High Continuous	°F	ASTM D 746	150
High Intermittent	°F	ASTM D 746	200
Water Absorption			
Maximum Weight Change	%	ASTM D 1056	< 5%
Fluid Immersion (7 days at 23 °C [73.4 °F])			
ASTM Ref. Fuel B, Weight Change (%)	%	ASTM D 1056	Not Applicable
Accelerated Aging (7 days at 70 °C [158 °F])			
Flexibility (180° bend without cracking)		ASTM D 1056	Pass
Appearance change		ASTM D 1056	None
Change in Compression Deflection	%	ASTM D 1056	± 30%
Combustion Characteristics		FMVSS-302	Pass
		UL 94HF-1	Pass
			UL listed (black & grey)

ASTM D 1056 designation: **2A2**  
 SAE J 18 APR2002 designation: **2A2**  
 ASTM D 6576: **II-A/B Soft/Medium**

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